



## Declaration and Power of Attorney United States Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (*if only one name is listed below*) or an original, first and joint inventor (*if plural names are listed below*) of the subject matter which is claimed and for which a patent is sought on the invention entitled

### NANO-TWIN COPPER MATERIAL WITH ULTRAHIGH STRENGTH AND HIGH CONDUCTIVITY AND ITS PREPARATION METHOD

(check one)

☐ is attached hereto.

☒ was filed as U.S. Application No. 10/532,674 on April 26,  
2005 and (*if applicable*) was amended on \_\_\_\_\_

☐ was filed as PCT International Application No. \_\_\_\_\_ on \_\_\_\_\_ and  
(*if applicable*) was amended under PCT Article 36 on \_\_\_\_\_.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign and PCT application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America listed in this Declaration. I have also identified below any foreign application for patent or inventor's certificate or PCT international application having a filing date before that of the application(s) on which priority is claimed:

Foreign/PCT Application No.	Country	Filing Date	Priority Claimed? (yes/no)
CN 02144519.2	China	November 1, 2002	Yes

I hereby claim the benefit under Title 35, United States Code, §120 or §365(c) of any United States application and PCT international application designating the United States of America listed in this Declaration and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Application No.	Filing Date	Status (patented/pending/abandoned?)

I hereby claim priority benefits under Title 35 United States Code §119(e) of any U.S. provisional application(s) listed below:

U.S. Provisional Application No.	Filing Date

I/we hereby appoint all attorneys of Smith, Gambrell & Russell, LLP, who are listed under the USPTO Customer Number shown below as my/our attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, recognizing that the specific attorneys listed under that Customer Number may be changed from time to time at the sole discretion of Smith, Gambrell & Russell, LLP, and request that all correspondence be addressed to the address filed under the same USPTO Customer Number.

Please send all correspondence to: SMITH, GAMBRELL & RUSSELL, LLP, 1850 M Street, N.W. (Suite 800), Washington, D.C. 20036. All facsimiles may be sent to (202) 263-4329. Direct all phone calls to (202) 263-4300.


Address all correspondence to:

Dennis C. Rodgers  
SMITH, GAMBRELL & RUSSELL, L.L.P.  
1850 M Street, N.W., Suite 800  
Washington, DC 20036-5819

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.


100 Full name of first or sole inventor: Lei LU  
Residence (city, state, country): Shenyang, Liaoning, China CNX  
Post office address: 72 Wenhua Road  
Shenyang, Liaoning 110015 China

Citizenship: China

Signature: 

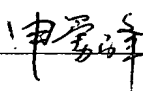
200 Full name of second inventor: Xiao SI  
Residence (city, state, country): Shenyang, Liaoning, China CNX  
Post office address: 72 Wenhua Road  
Shenyang, Liaoning 110015 China

Citizenship: China

Signature: 

300 Full name of third inventor: Yongfeng SHEN  
Residence (city, state, country): Shenyang, Liaoning, China CNX  
Post office address: 72 Wenhua Road  
Shenyang, Liaoning 110015 China

Citizenship: China

Signature:  Yongfeng SHEN

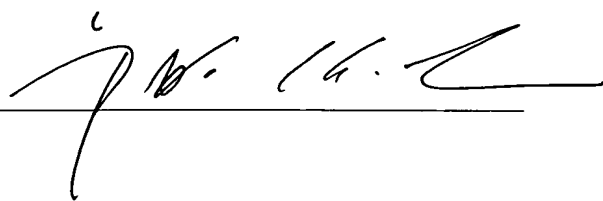
400

Full name of fourth inventor:  
Residence (city, state, country):  
Post office address:

Ke LU  
Shenyang, Liaoning, China CNX  
72 Wenhua Road  
Shenyang, Liaoning 110015 China

Citizenship: China

Signature: \_\_\_\_\_

A handwritten signature in black ink, appearing to read 'Ke LU', is written over a horizontal line.



Docket : 33957R002

PTO/SB/96 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Lei LU, et al.Application No./Patent No.: 10/532,674 Filed/Issue Date: April 26, 2005Entitled: NANO-TWIN COPPER MATERIAL WITH ULTRAHIGH STRENGTH AND HIGHCONDUCTIVITY AND ITS PREPARATION METHODInstitute of Metal Research Chinese Academy of Sciences a corporation of China

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.OR. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

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☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ Copies of assignments or other documents in the chain of title are attached.**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

May 17, 2005  
Date

[Signature]  
Signature

Ke LU  
Typed or printed name

Director of Institute of Metal Research Chinese Academy of Sciences

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.